

We Claim:

1. An information distribution system for distributing high-speed data and lower speed POTS within a customer premises comprising:

5 a wireline distribution network within the customer premises having a pair of wires for distributing high-speed data within the customer premises;

a wireless distribution system within the customer premises system distributing lower speed POTS within the customer premises; and

10 a splitter in communication with the wireline distribution network and the wireless distribution network, wherein the splitter separates high speed data for distribution over the wireline network and lower speed POTS for distribution over the wireless distribution system.

15 2. The information distribution system of claim 1 wherein the wireline distribution network for distributing high-speed data comprises twisted pair copper wire.

3. The information distribution system of claim 2 wherein the twisted pair copper wire is the wiring ordinarily used to distribute POTS service throughout the customer premises.

20 4. The information distribution system of claim 1 wherein the wireless distribution system operates at a frequency of about 900 MHz.

25 5. The information distribution system of claim 1 wherein the wireless distribution system is in communication with a voice telephone.

6. The information distribution system of claim 1 wherein the lower speed POTS comprises voice band signals associated with POTS.

30 7. The information distribution system of claim 1 wherein the wireless distribution system carries lower speed data comprising digital data.

8. The information distribution system of claim 7 wherein the lower speed data comprises digital data transmitted at about a 128 Kbps data rate.

5 9. The information distribution system of claim 1 wherein the lower speed data comprises digital data transmitted at about a 64 Kbps data rate.

10 9. The information distribution system of claim 1 wherein the wireless distribution network for distributing lower speed digital data distributes data to an electronic home appliance.

10 10. The information distribution system of claim 1 wherein the wireless distribution system further comprises:

a wireless controller in communication with the splitter to transmit the lower speed data; and

15 a receiver in communication with the wireless controller to receive the lower speed data transmitted by the wireless controller.

20 11. The information distribution system of claim 1 wherein the wireline distribution network for distributing high-speed data comprises a modem for interfacing a digital subscriber line.

12. The information distribution system of claim 1 wherein the wireline distribution network distributes digital computer data.

25 13. The information distribution system of claim 1 wherein the wireline distribution network distributes video data.

30 14. The information distribution system of claim 1 wherein the wireline distribution network further comprises a routing switch for distributing high-speed data to a plurality of computer peripherals.

15. The information distribution system of claim 1 further comprising:
a local loop in communication with the splitter, wherein the local loop carries digital data
to the customer premises to be distributed by the wireline distribution system.

5 16. The information distribution system of claim 15 wherein the local loop
comprises a high-speed asymmetric digital subscriber line.

17. The information distribution system of claim 16 further comprising:
an asymmetric digital subscriber line ("ADSL") modem in communication with
10 the ADSL local loop, wherein the ADSL modem is in communication with the wireless
distribution system, and the wireless distribution system distributes a channel of digital
information from the ADSL modem.

18. The information distribution system of claim 15 wherein the local loop
15 comprises a wireless local loop system carrying POTS and high-speed digital data.

19. The information distribution system of claim 1 further comprising:
a switch connected between the wireless distribution system and the wireline
distribution network, wherein the switch provides the lower speed data on the wireline
20 distribution network.

20. The information distribution system of claim 19 wherein the switch is
connected to the local AC power supply to detect a loss of power and provides lower
speed data on the wireline distribution system in the event of a power failure.

25 21. An information distribution system for distributing high-speed data and
lower speed data within a customer premises comprising:

a wireline distribution network within the customer premises having wires for
distributing high-speed data within the customer premises, the wireline distribution
30 network, comprising:

a modem for interfacing a digital subscriber line to provide high-speed data; and

a routing switch for distributing the high-speed data to a plurality of computer peripherals;

5 a wireless distribution system within the customer premises system distributing lower speed data within the customer premises, the wireless distribution system comprising:

a wireless controller in communication with the splitter to transmit the lower speed data; and

10 a receiver in communication with the base controller to receive the lower speed data transmitted by the wireless controller; and

a splitter in communication with the wireline distribution network and the wireless distribution network, wherein the splitter separates high-speed data for distribution over the wireline network and lower speed data for distribution over the
15 wireless distribution system.

22. A method of distributing high-speed data and lower speed data within a customer premises location comprising the steps of:

separating high-speed data from lower speed data for distribution within the
20 customer premises;

distributing lower speed data within the customer premises over a wireless distribution system; and

distributing high-speed data within the customer premises over a wireline distribution system.

25 23. The method of claim 22 wherein the wireline distribution network comprises twisted pair copper wire.

30 24. The method of claim 23 wherein the twisted pair copper wire is the wiring ordinarily used to distribute POTS service throughout the customer premises.

25. The method of claim 22 wherein the lower speed data comprises voice band signals associated with POTS.

5 26. The method of claim 22 wherein the lower speed data comprises digital data.

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